

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-019-1(33)	2003	3	74

GENERAL NOTES

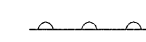








1. This project includes leveling shoulders; reconstructing weakened pavement areas; cold-planing and resurfacing the existing pavement; adjusting valve boxes and installing reference survey monuments; replacing and installing signs, pavement striping, and reflector markers; restriping intersections to accommodate bike routes; paving gutters and under guardrails; providing ADA accessible route to emergency telephone; and replacing telemetry station.
2. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.13 – Public Convenience and Safety, Subsection 107.21 – Contractor's Responsibility for Utility Property and Services, and Section 645 – Traffic Control.
3. The Contractor shall notify the State in writing, two (2) weeks prior to starting paving operations.
4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.
5. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data but the accuracy is not guaranteed. The encountering of other obstacles during the course of the work is possible. The Contractor shall be held liable for any damages incurred to the existing facilities and/or improvements as a result of his operations.
6. The exact locations and limits or areas to be reconstructed and cold planed shall be determined in the field by the Engineer.
7. Preformed Pavement Marking Tape shall be removed prior to resurfacing. Removal shall be by scraping, grinding or other method approved by the Engineer. Payment shall be incidental to Item No. 401.0400 – Asphalt Concrete Pavement, Mix No. IV.
8. The Contractor shall remove and dispose of all existing raised pavement markers prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Item No. 401.0400 – Asphalt Concrete Pavement, Mix No. IV .
9. Smooth riding connections shall be constructed at all limits of resurfacing including the beginning and end of project, side streets and driveways as shown on the plans and/or as directed by the Engineer.
10. Existing drainage system will be functional at all times during construction. Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items.
11. Contractor shall provide for access to and from existing side streets and driveways at all times.
12. All saw cutting work shall be considered incidental to Item No. 401.0400 – Asphalt Concrete Pavement, Mix No. IV and will not be paid for separately.
13. Initial preparation of shoulder areas shall be done by the Contractor. Shoulder preparation shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable excavated material from roadway reconstruction and cold planing, as shown on the plans and/or as directed by the Engineer. Contractor shall also be responsible for finish rolling and maintaining the shoulders until project completion. This work shall be considered incidental to Item No. 401.0501 – Asphalt Concrete Pavement, Mix No. V.

14. Unprotected pavement dropoffs greater than 2" shall not be allowed during non-working hours, except where approved by the Engineer in writing.
15. Public Notice is required for lane closures. Contractor shall submit notice to the Engineer for approval a minimum of three weeks prior to publication. Pre-approval of notice, with dates left blank, is permissible.
16. Cold-planing of 50-ft. transitions at project limits shall be considered incidental to Item No. 401.0400 – Asphalt Concrete Pavement, Mix No. IV.
17. Contractor shall maintain at least one paved shoulder free and clear of debris for pedestrian and bicycle traffic at the end of each work day.
18. The Contractor's attention is called to Section 407 – Tack Coat of the Special Provisions.
19. Temporary striping on cold planed surfaces shall be with paint (tape will not be allowed). Temporary striping on final overlay shall be with temporary tape.
20. The Contractor shall pave the entire traveled way, including auxiliary lanes, channelized islands, and side roads with 1-1/2 inches of A.C. Mix IV. All thru lanes shall be 12 feet wide.
21. Paving shall not commence on the same day as the cold-planing, but not lag behind the cold-planing work by more than three miles.
22. The Contractor will be allowed to pave one lane of the roadway on a single day with the adjacent shoulder being paved the next day. The adjacent lane shall be paved no later than the seventh day.
23. The Contractor shall cold plane and pave the "Scenic Point Lookout" (Sta. 810+00) with 1-1/2 inches of A.C. Mix V. The ramp to the emergency phone shall be ADA accessible. The existing A.C. curbs shall be painted white.
24. The Contractor shall install milled rumble strips along shoulder lengths, except at right turn acceleration and deceleration lanes.
25. Pavement striping shall be done with alkyd-based thermoplastic. Except the bicycle symbols, bike lane stop bars, and adjacent 4" white lines shall be paint.
26. The Contractor shall replace all signs, posts and anchors within the project limits.
27. Two lanes of traffic shall be provided at all times. Lane closures or detours that slow down traffic shall not occur during peak hours (6:30 am to 8:30 am and 3:30 pm to 6:00 pm). Night work will be permitted. If the contractor elects to perform work at night, a noise variance permit shall be obtained at his cost with no additional contract time.
28. The Contractor shall schedule work around the annual Ironman Triathlon Race activities in September and/ or October. All pavement and shoulder areas shall be restored to smooth riding condition, completely cleaned and pavement striping installed. No construction work shall be permitted during the Triathlon period (beginning 30 days prior to and on event day).
29. The Contractor shall coordinate his work with the Traffic Signal Project at Waikoloa Beach Drive/ Waikoloa Road, and the Queen Kaahumanu Highway Guardrail project.
30. Cold planing of adjacent travel ways shall be completed on the same day. Temporary pavement markings shall be installed at the end of each work day.
31. Longitudinal pavement joints shall not be located in the middle of a lane. For channelized intersections, location of longitudinal joints shall be approved by the Engineer.

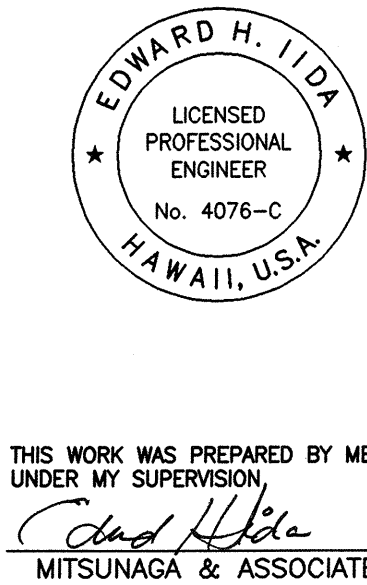
COUNTY DEPARTMENT OF WATER SUPPLY NOTES

1. All Work shall conform to the Department of Water Supply's (DWS) "Water System Standards", Volumes I and II, dated 1985, as amended.
2. Contractor's attention is called to DWS Standard Details 3, 9, 13 and 22 which require concrete slabs for valve frames and boxes.
3. All existing waterlines, waterline appurtenances, and other utilities shown on the plans reflect the most recent information made available to this Department. The Contractor shall be responsible for verification of the exact locations of all existing utilities in the field whether shown on the plans or not . The Contractor shall bear all cost for damages done unto the affected utilities.
4. Contractor to call DWS 72 hours prior to starting work for adjusting water valve box frame and cover.

LEGEND

-  Right-of-Way
-  Power Pole
-  Water Manhole
-  Water Valve Box
-  Grated Drop Inlet
-  Traffic Sign With 1 Post
-  Traffic Sign With 2 Posts
-  Elec. Pullbox
-  Single Metal Guardrail

ORIGINAL PLAN	SURVEY PLOTTED BY DRAWN BY DESIGNED BY QUANTITIES BY CHECKED BY	DATE	1/03
			1/03
NOTE BOOK	No.		1/03
			1/03



THIS WORK WAS PREPARED BY ME OR  
UNDER MY SUPERVISION,  
*Edward H. Iida*  
MITSUNAGA & ASSOCIATES

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**GENERAL NOTES  
AND LEGEND**  
*Queen Kaahumanu Highway Resurfacing  
Kekaha Kai State Park to Hapuna  
Federal-Aid Project No. NH-019-1(33)*  
Scale: As Noted      Date: March 2003  
SHEET No. **C-1** OF **68** SHEETS